DOCUMENT RESUME

ED 438 159 SE 063 074

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TITLE Logic Decimal Problems. Blackline Masters. Grades 5-12.
ISBN ISBN-0-7690-0082-7
PUB DATE 1999-00-00
NOTE 55p.
AVAILABLE FROM Dale Seymour Publications, 10 Bank Street, White Plains, NY 10602 ($11.95). Tel: 800-872-1100 (Toll Free).
PUB TYPE Books (010) -- Guides - Classroom - Teacher (052)
EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Decimal Fractions; High Schools; Mathematics Activities; *Mathematics Instruction; Middle Schools; Number Concepts; Problem Solving; *Puzzles

ABSTRACT

This book features a collection of 54 decimal number puzzles designed to provide experiences in problem solving and mathematical reasoning for middle and high school students. Each puzzle consists of a sequence of 10 clues about an unknown decimal number. The clues, when revealed one at a time, lead students through deductive reasoning to the discovery of the unknown decimal number. Students need to know only basic definitions, concepts, and properties from numeration, number theory, and the arithmetic of fractions, decimals, and percents to solve the puzzles. (ASK)

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